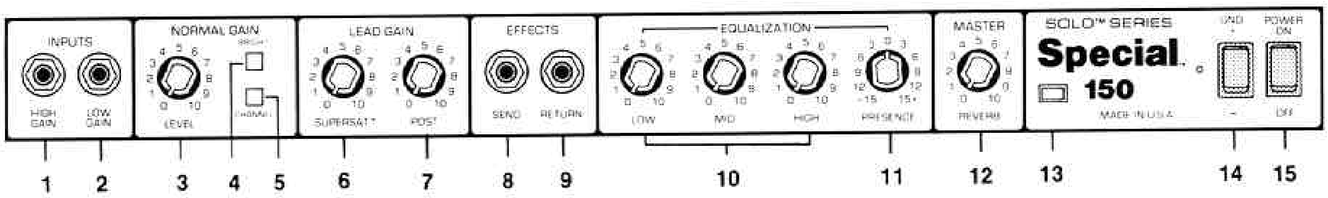
SPECIAL™ 150

OPERATING GUIDE



WARNING
TO PREVENT ELECTRICAL SHOCK OR FIRE HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. BEFORE USING THIS APPLIANCE, READ BACK COVER FOR FURTHER WARNINGS.



HIGH GAIN INPUT (1)
Used for most electric guitars. It is 6 dB louder than the Low Gain input.

LOW GAIN INPUT (2)
Provided for instruments that have extremely high outputs, which can result in overdriving (distorting) the High Gain input. If both inputs are used simultaneously, the output levels are the same (both are Low Gain).

LEVEL (3)
Controls the volume level of the normal channel and is not affected by the SuperSat™ or Post Gain controls.

BRIGHT SWITCH (4)
Provides a preset boost (+6 dB) to treble frequencies. To activate, depress the switch to its "in" position.

CHANNEL SELECT SWITCH (5)
Allows selection of the lead or normal channel. The "in" position of the switch selects the lead channel and the "out" position selects normal.

NOTE:
Channel selection may also be accomplished by the remote footswitch. If remote selection is desired the channel switch must be in the "in" (lead) position.

HIGH GAIN INPUT (1)
Dieser Eingang kann für die meisten elektrischen Gitarren verwendet werden. Er ist 6 dB empfindlicher als der Low Gain Input.

LOW GAIN INPUT (2)
Dieser Eingang ist für die Instrumente vorgesehen, die ein besonders hohes Ausgangssignal erzeugen. Falls beide Eingänge gleichzeitig benutzt werden, sind die Ausgangssignale gleich (beide sind dann Low Gain).

LEVEL (3)
Kontrolliert die Lautstärke des Normal-Kanals und wirkt sich nicht aus auf SuperSat™ oder Post Gain Regler.

BRIGHT SWITCH (4)
Besorgt einen voreingestellten Schub (+ 6dB) in den hohen Frequenzen. Zur Aktivierung den Knopf in die "In"-Position drücken.

CHANNEL SELECT SWITCH (5)
Erlaubt die Auswahl des Lead- oder des Normal-Kanals. Die "In"-Position des Schalters wählt den Lead-Kanal, die "Out"-Position den Normal-Kanal an.

NOTE:
Die Kanalwahl kann auch per Fußpedal eingeschaltet werden. Wenn per Fußpedal gewünscht wird, muß der Kanalschalter in der "In"-(Lead) Position stehen.

HIGH GAIN INPUT (1)
(Entrée Haut Gain)
Cette prise sera utilisée pour la plupart des guitares électriques. Elle donne un gain supérieur de 6 dB à l'entrée Low Gain.

LOW GAIN INPUT (2)
(Entrée Faible Gain)
Cette prise acceptera les instruments á haut niveau de sortie qui causeraient une saturation (distorsion) sur l'entrée High Gain. Si les deux entrées sont utilisées simultanément, les deux niveaux serant alors équivalents (faible gain).

LEVEL (3)
(Volume)
Contrôle du niveau de volume du canal normal indépendant du gain d'entrée et de la distorsion (SuperSat).

BRIGHT SWITCH (4)
(BRILLANCE)
Booster (+6db) des fréquences aigües la mise en fonction s'effecue en enfoncant le bouton (position IN)

CHANNEL SELECT SWITCH (5)
(Selecteur de Canaux)
Selecteur du canal lead ou du canal normal. La position IN sélectionne le canal lead et la position OUT le canal normal.

NOTE:
la sélection des canaux peut également s'effectuer à l'aide d'une pédale switch.

HIGH GAIN INPUT (1)
(Entrada de Alta Potencia)
Esta entrada es usada en su mayoria para guitarras electricas. Tiene 6 decibeles mas que la Entrada de Baja Potencia.

LOW GAIN INPUT (2)
(Entrada de Baja Potencia)
Esta entrada está provista para instrumentos que tienen una salida extremadamente alta, la cual puede causar distorción en la entrada de alta potencia. Si ambas entradas son usadas simultaneamente, el volúmen de salida es el mismo (ambos son de baja potencia).

LEVEL (3)
(Nivel)
Controla el nivel de volumen del canal normal, no le afectan los controles SuperSat™ o PostGain.

BRIGHT SWITCH (4)
(Interruptor de brillo)
Proporciona un aumento (+6dB) en frecuencias agudas. Para activario, poner el interruptor en la posición "in".

CHANNEL SELECT SWITCH (5)
(Interruptor para selección de canal)
Para cambiar de canal "normal" a canal "Lead". La posición "in" corresponde a "Lead" y la posición "out" a normal.

NOTE:
(Nota):
El cambio de canal se puede hacer también por pedal. En este caso el interruptor de selección de canal deberá estar en la posición "in" (Lead).

SUPERSAT™ (6)
A transistor simulation of tube distortion (soft clipping). To activate the SuperSat™ effect, lead channel must be activated.

POST GAIN (7)
Controls the overall volume level of the lead channel. The final level adjustment should be made after the desired sound has been achieved.

EFFECTS SEND (8)
Output for supplying signals to external low-level effects or signal processing equipment.

EFFECTS RETURN (9)
Input for returning signals from external low-level effects or signal processing equipment.

LOW, MID & HIGH EQ (10)
Passive tone controls that regulate the low, mid and high frequencies, respectively.

PRESENCE (ACTIVE) (11)
An active tone control (+/- 15 dB) that varies the extreme high frequency range. 0 to +15 boost (increase), 0 to -15 cut (reduce).

MASTER REVERB (12)
Controls the overall reverb level.

POWER LED (13)
Illuminates when AC power is being supplied to the amp.

GROUND SWITCH (14)
Three position rocker-type switch which, in most applications, should be operated in its center or zero position. There may be some situations when audible hum and/or noise will come from the loudspeaker. If this situation arises, position the ground switch to either positive or negative (+ or -) or until the noise is minimized.
NOTE: Should the noise problem continue, consult your Authorized Peavey Dealer, the Peavey Factory, or a qualified service technician. THE GROUND SWITCH IS NOT FUNCTIONAL ON 220/240 VOLT MODELS.

POWER SWITCH (15)
Depress the switch to the "On" position. The red pilot light (LED) will illuminate indicating power is being supplied to the unit.

SUPERSAT™ (6)
Eine transistorsimulierte Röhrenverzerrung (sanftes Übersteuern). Um den SuperSat-Effekt zu aktivieren, muß der Lead-Kanal eingeschaltet sein.

POST GAIN (7)
Kontrolliert den gesamten Lautstärkepegel des Hauptkanals (Mastervolumen). Die endgültige Lautstärkeregelung sollte vorgenommen werden, nachdem der gewünschte Sound eingestellt ist.

EFFECTS SEND (8)
Ausgang für Zuliefersignale zu externen niederohmigen Effekten oder Signal-Prozessoren.

EFFECTS RETURN (9)
Eingang für rückführende Signale von niederohmigen Effekten oder Signal-Prozessoren.

LOW, MID & HIGH EQ (10)
Hierbei handelt es sich um passive Klangregler, die tiefe, mittlere und hohe Frequenzen entsprechend regeln.

PRESENCE (ACTIVE) (11)
Eine aktive Klangregelung (+/-15 dB) zur Beeinflußung des höchsten Frequenzbereichs. 0 bis +15 dB entspricht einer Anhebung, 0 bis -15 dB einer Absenkung.

MASTER REVERB (12)
(Master Reverb)
Regler für den Gesamtanteil des Halls.

POWER LED (13)
Zeigt die eingeschaltete Netzspannung an.

GROUND SWITCH (14)
Der Ground-Schalter funktioniert nicht bei den 220/240 Volt-Modellen.

POWER SWITCH (15)
(Netzschalter)
Bringen Sie den Schalter auf die ON-Position. Die rote Kontrollampe (LED) leuchtet und zeigt an, daß das Gerät eingeschaltet ist.

SUPERSAT™ (6)
(DISTORSION)
Simulation du son distorsion à tube (ne fonctionne que sur le canal lead)

POST GAIN (7)
(Volume Aval)
Commande le volume général du canal Lead (Solo). Ce réglage de niveau sera effectué après avoir obtenu le son souhaité par les autres réglages.

EFFECT SEND (8)
(Sortie Effet)
Sortie permettant le branchement d'effets extérieurs (égaliseurs, compresseurs etc...)

EFFECT RETURN (9)
(Retour Effet)
Entrée permettant le retour des effets extérieurs

LOW, MID & HIGH EQ (10)
(Tonalité Grave, Medium, et Aigu)
Ces trois réglages passifs commandent respectivement les niveaux des fréquences graves, mediums et aigues.

PRESENCE (11)
Ce réglage actif commande la gamme des fréquences extrême aigues en y apportant jusqu'à 15 dB de correction, en affaiblissement ou en remplacement.

MASTER REVERB (12)
(Volume Général Réverb)
Commande le niveau général de l'effet réverbération.

POWER LED (13)
(Diode-Témoin de Mise Sous Tension)
S'allume lorsque l'ampli est alimenté par le secteur.

GROUND SWITCH (14)
Selecteur de mise a la terre permettant de minimiser les buits de ronflement. **Ce selecteur n'a aucun effet sur les appareils en 220/240 volts.**

POWER SWITCH (15)
(Interrupteur Secteur)
Interrupteur général. En position Marche, une diode LED rouge s'allume.

SUPERSAT™ (6)
Distorsión de válvulas (clipping suave) conseguida mediante transistores. Para activarlo deberá estar conectado el canal "Lead".

POST GAIN (7)
(Control de Volúmen Posterior al Preamplificador)
Controla el volúmen general del canal de la guitarra. El ajuste final debe hacerse despuès de que el sonido deseado ha sido archivado.

EFFECTS SEND (8)
(Envio de efectos)
Salida para efectos exteriores, de bajo nivel, o para procesadores de señal.

EFFECTS RETURN (9)
(Retorno de efectos)
Entrada para retorno de señal de efectos exteriores, de bajo nivel o para procesadores de señal.

LOW, MID & HIGH EQ (10)
(Ecualizador de Frecuencias Bajas, Medios y Agudos)
Controles de tono pasivos que regulan las frecuencias bajas, medias y altas respectivamente.

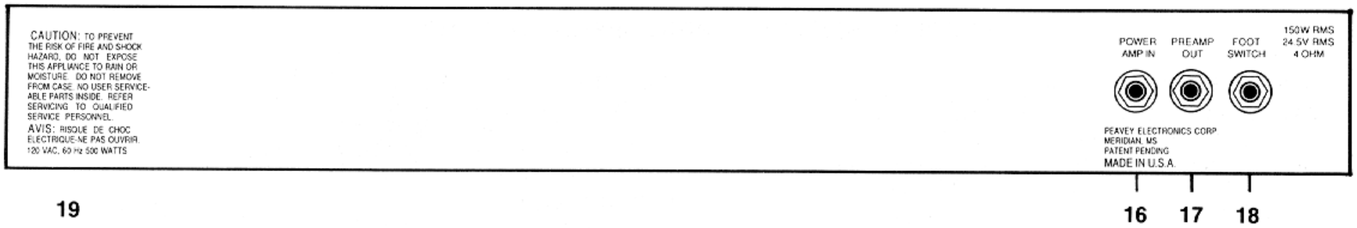
PRESENCE (ACTIVE) (11)
(Presencia Activa)
Control de tono activo (+/- 15 dB) que varia la banda de frecuencias super altas. Aumenta de 0 a +15, reduce de 0 a -15.

MASTER REVERB (12)
(Control Maestro de Reverberación)
Controla el nivel general de la reverberación.

POWER LED (13)
(Power LED)
Encendido cuando se prende el aparato.

GROUND SWITCH (14)
(Interruptor de Tierra)
El interruptor de tierra tiene tres posiciónes. En casi todas las aplicaciones se debe usar en la posición central. Usted puede encontrar algunas situaciones en que escuche un zumbido o un ruido que provenga de las bocinas. Si se presenta esta situación cambie el interruptor de tierra hacia ambas posiciones positivo o negativo (+ 0 -) hasta que el ruido sea minimo. NOTA: Si el problema del ruido continua consulte con su proveedor autorizado Peavey, a la fábrica o a un técnico de servicios calificados. EL INTERRUPTOR DE TIERRA NO ES FUNCIONAL EN LOS MODE LOS 220/240 VOLTS.

POWER SWITCH (15)
(Interruptor de Poder)
Presione el interruptor a la posición de encendido (ON). La luz roja del piloto (indicador) se encenderá indicando que la unidad esta recibiendo el poder.



POWER AMP INPUT (16)
Use to connect line level signal to the power amplifier.

PREAMP OUT (17)
The preamp output can be used to route the amplified signal to a mixing console, tape recorder, etc. Connect the preamp output using a shielded cable to an input of the tape recorder, mixer, etc. This patch does not affect the operation of the amplifier.

REMOTE SWITCH JACK (18)
Provided for the connection of the supplied remote footswitch. Footswitch is used to select the Lead or Normal channels and defeat reverb. When using remote footswitch, always insert the plug fully (second click) to insure proper operation.

LINE CORD (19)
(120V products only)
For your safety, we have incorporated a 3-wire line (mains) cable with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the equipment without proper grounding facilities, suitable grounding adaptors should be used. Less noise and greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles.

POWER AMP INPUT (16)
Vorgesehen für den Anschluß eines Line-Signals an den Endverstärker.

PREAMP OUT (17)
(Vorstufenausgang)
Dieser Ausgang kann zum Anschluß des Verstärkers an einen Mixer, eine Bandmaschine etc. verwendet werden. Verbinden Sie den Ausgang mit Hilfe eines abgeschirmten Kabels mit dem Eingang des entsprechenden Gerätes. Dieser Anschluß beeinflußt die Funktionen des Verstärkers nicht.

REMOTE SWITCH JACK (18)
Sorgt für die Verbindung des mitgelieferten Fernbedienungs-Fußschalters. Der Fußshalter wird verwendet, um zwischen den beiden Eingangskanälen zu wählen und um den Hall zu schalten. Beim Anschluß des Fußschalters muß der Stecker völlig eingesteckt sein (zweimal Klicken), um die richtige Funktion zu gewährleisten.

LINE CORD (120V products only) (19)
(nur bei 120 Volt-Geräten)
Zu Ihrer Sicherheit haben wir das Gerät mit einem dreiadrigen geerdeten Netzkabel versehen. Es ist unter keinen Umständen empfehlenswert den Erdungskontakt des Anschlußkabels zu lösen. Falls es notwendig sein sollte, das Equipment ohne die vorgesehene Erdung zu betreiben empfiehlt sich die Verwendung eines Grounding Adaptors. Die geringsten Störgeräusche und die höchste Sicherheit vor elektrischen Schlägegen wird jedoch durch die Benutzung der vorgesehenen Erdungsmöglichkeiten erreicht.

POWER AMP INPUT (16)
(Entrée Ampli de Puissance)
Cette prise attaque directment l'amplificateur de puissance. A utiliser pour amplifier des signaux de niveau ligne.

PREAMP OUT (17)
(Sortie Préampli)
Cette sortie sera utilisée pour amener le signal (niveau ligne) vers une table de mixage, un magnétophone, etc. ... Le branchement nécessite un câble blindé. Il n'affecte en rien le fonctionnement de l'amplificateur.

REMOTE SWITCH JACK (18)
(Prise pour Interrupteur à Distance)
Cette prise reçoit la fiche de la pédale livrée avec l'appareil. Les interrupteurs au pied ont pour fonctions le choix du canal en service (Lead ou Normal) et la mise en ou hors service de la Réverbération. Veiller à bien enfoncer à fond la fiche du câble dons la jusqu'au deuxième cran.

LINE CORD (19)
(Cordon secteur)
Cet appareil est équipé d'une fiche secteur à 3 broches avec mise à la terre. La mise à la terre diminue le bruit de fond et assure la sécurité nécessaire à l'emploi de cet appraeil électrique.

POWER AMP INPUT (16)
(Entrada al Poder del Amplificador)
Se usa para conectar la señal del nivel de linea al amplificador de potencia.

PREAMP OUT (17)
(Salida de Preamplificador)
La salida del preamplificador, puede ser usada para "derivar" la señal de su instrumento, por ejemplo a la consola de mezcla - principal para después ser amplificada y ecualizada con el proposito de que se escuche por el "P.A."*; o también puede conectarse a la entrada de "línea" de cualquier grabadora, etc. sin afectar las operaciones normales de su amplificador.
NOTA* P.A. es la abreviatura de Public Address System (Sistema-de amplificacion dirigido al público). Para estas interconexiones como todas las demás que son posibles con los amplificadores - Peavey (salvo las conexiones de altavoces) debera usarse cable - blindado de la mejor calidad posible, por ejemplo: cable Peavey - model s/s #0005495 al 0005497.

REMOTE SWITCH JACK (18)
(Clavija Para el Switch Remoto)
Previsto para la conexión del pedal de switch remoto (incluido con el amplificador). El pedal de switch es usado para seleccionar el canal normal (lead) o los canales normales y eliminar la reverberancia. Cuando se usa el pedal de switch remoto, siempre incerte el conector completamente hasta que escuche el segundo click para asegurar la operación.

LINE CORD (19)
(1200 Solamente)
Para su protecion hemos incorporado un cable de 3 alambres con tierra. No es recomendable el remover la pata de tierra bajo ninguna circumstancia, se recomienda un adaptador en caso necesario. Esto reducira ruidos y peligrosos corrientazos.

SPECIAL 150 ENGINEERING SPECIFICATIONS

POWER AMPLIFIER SECTION:

RATED POWER & LOAD:
150 W RMS into 4 ohms

POWER @ CLIPPING: (Typically)
(5% THD, 1 kHz, 120 VAC line)
95 W RMS into 8 ohms
160 W RMS into 4 ohms
2 ohms not recommended

FREQUENCY RESPONSE:
+0, -1 dB 20 Hz to 20 kHz
@ 130 watts into 4 ohms

TOTAL HARMONIC DISTORTION:
Less than 0.5%, 100 mW to 130 W RMS,
20 Hz to 10 kHz, 4 ohms
typically below 0.2%

HUM & NOISE:
Greater than 95 dB below rated power

POWER CONSUMPTION:
500 watts, 50/60 Hz, 120 VAC

PREAMP SECTION:

THE FOLLOWING SPECS ARE MEASURED @ 1 kHz WITH THE CONTROLS PRESET AS FOLLOWS:
Push Bright Off (Out)
Channel Select (Norm/Out)
SuperSat™ @ 10
Post Gain @ 10
Low & High EQ @ 10
Mid EQ @ 10
Presence @ 0 dB
Reverb @ 0

Nominal levels are with normal gain level @ 5
Minimum levels are with normal gain level @ 10

PREAMP HIGH GAIN INPUT:
Impedance: High Z, 220K ohms
Nominal Input Level: -20 dBv, 100 mV RMS
Minimum Input Level: -34 dBv, 20 mV RMS
Maximum Input Level: +6 dBv, 2 V RMS

PREAMP LOW GAIN INPUT:
Impedance: High Z, 44K ohms
Nominal Input Level: -14 dBv, 200 mV RMS
Minimum Input Level: -28 dBv, 40 mV RMS
Maximum Input Level: +12 dBv, 4 V RMS

EFFECTS SEND:
Load Impedance: 1K ohms or greater
Nominal Output: -10 dBv, 0.3 V RMS

EFFECTS RETURN:
Impedance: High Z, 22K ohms
Designed Input Level: -10 dBv, 0.3 V RMS
(Switching jack providing Effects Send to Effects Return connection when not used)

PREAMP OUTPUT:
Load Impedance: 1K ohms or greater
Nominal Output: 0 dBv, 1 V RMS

POWER AMP INPUT:
Impedance: High Z, 33K ohms
Designed Input Level: 0 dBv, 1 V RMS
(Switching jack providing preamp output to power amp input connection when not used)

SYSTEM HUM & NOISE @ NOMINAL INPUT LEVEL:
(20 Hz to 20 kHz unweighted)
80 dB below rated power

EQUALIZATION:
Special Low, Mid & High passive type EQ
Automatic thick EQ when lead channel selected
Presence: +-15 dB @ 5 kHz, shelving (active)
Push Bright: +6 dB @ 2 kHz

EXTERNAL FOOTSWITCH FUNCTION:
Reverb Defeat (when reverb control raised)
Lead Channel Defeat (when selected with button)

DANGER

EXPOSURE TO EXTREMELY HIGH NOISE LEVELS MAY CAUSE A PERMANENT HEARING LOSS. INDIVIDUALS VARY CONSIDERABLY IN SUSCEPTIBILITY TO NOISE INDUCED HEARING LOSS, BUT NEARLY EVERYONE WILL LOSE SOME HEARING IF EXPOSED TO SUFFICIENTLY INTENSE NOISE FOR A SUFFICIENT TIME.
THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAS SPECIFIED THE FOLLOWING PERMISSIBLE NOISE LEVEL EXPOSURES:

DURATION PER DAY IN HOURS	SOUND LEVEL dBA, SLOW RESPONSE
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

ACCORDING TO OSHA, ANY EXPOSURE IN EXCESS OF THE ABOVE PERMISSIBLE LIMITS COULD RESULT IN SOME HEARING LOSS.
EAR PLUGS OR PROTECTORS IN THE EAR CANALS OR OVER THE EARS MUST BE WORN WHEN OPERATING THIS AMPLIFICATION SYSTEM IN ORDER TO PREVENT A PERMANENT HEARING LOSS IF EXPOSURE IS IN EXCESS OF THE LIMITS AS SET FORTH ABOVE. TO INSURE AGAINST POTENTIALLY DANGEROUS EXPOSURE TO HIGH SOUND PRESSURE LEVELS, IT IS RECOMMENDED THAT ALL PERSONS EXPOSED TO EQUIPMENT CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS SUCH AS THIS AMPLIFICATION SYSTEM BE PROTECTED BY HEARING PROTECTORS WHILE THIS UNIT IS IN OPERATION.

CAUTION

THIS AMPLIFIER HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE POWER RESERVE FOR PLAYING MODERN MUSIC WHICH MAY REQUIRE OCCASIONAL PEAK POWER. TO HANDLE OCCASIONAL PEAK POWER, ADEQUATE POWER "HEADROOM" HAS BEEN DESIGNED INTO THIS SYSTEM. EXTENDED OPERATION AT ABSOLUTE MAXIMUM POWER LEVELS IS NOT RECOMMENDED SINCE THIS COULD DAMAGE THE ASSOCIATED LOUDSPEAKER SYSTEM. PLEASE BE AWARE THAT **MAXIMUM POWER** CAN BE OBTAINED WITH VERY LOW SETTINGS OF THE **GAIN** CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag, or an ammonia based household cleaner if necessary.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
    A. The power supply cord or plug has been damaged.
    B. Anything has fallen or been spilled into the unit.
    C. The unit does not operate correctly.
    D. The unit has been dropped or the enclosure damaged.
16. The user should not to attempt to service this equipment. All service work should be done by a qualified service technician.

Due to our efforts for constant improvement, features and specifications listed herein are subject to change without notice.

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#80300719 Printed in U.S.A. 9/87